

FIG.1.

Room Temperature $\xrightarrow{\text{SmC}^*}$ 57 °C $\xrightarrow{\text{Iso}}$

CDDR8:

Saturated switching.

High tilt angle, independent of temperature.

CDDR8 -

Tilt angle Vs Temperature

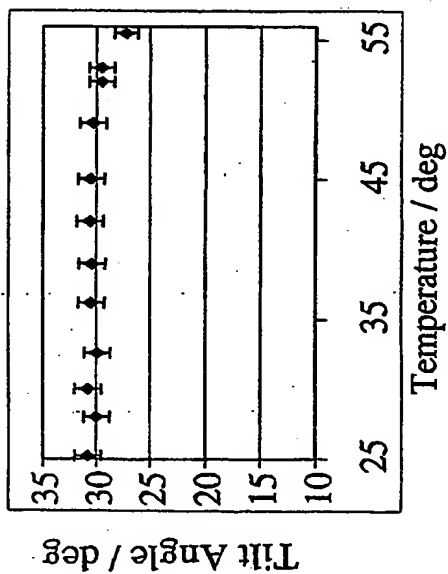


Figure 2a

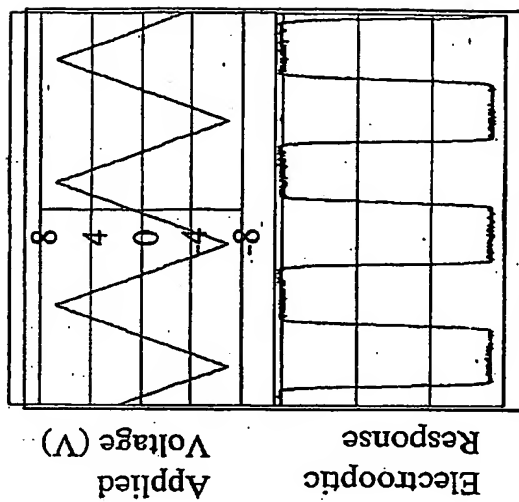
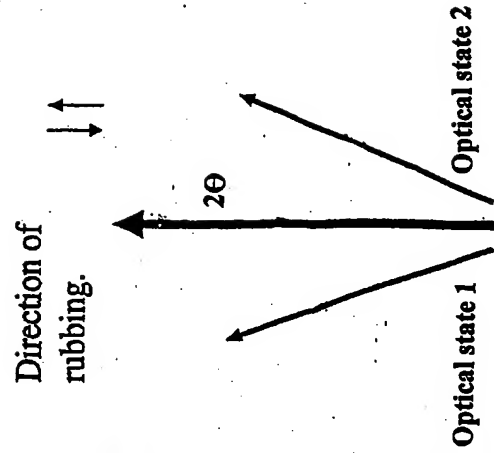


Figure 2b

FIGURE 2

Siloxane oligomerCDRR8
(2.0 μm , nylon 6-6)

Figure 3(a) Before alignment After alignment



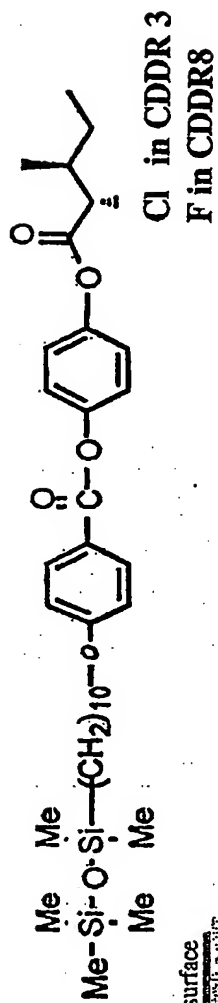
θ is the effective tilt angle

Fields of approximately 10 V/ μm
and freq. of 1-10 kHz

CS2005
2.81 μm ,
nylon 6-6



Figure 3(b)



mp = 4.04 °C; Iso 52.68 SC* -19.71 °C K

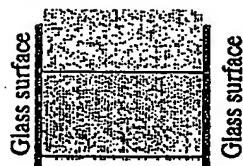


Figure 4(a)

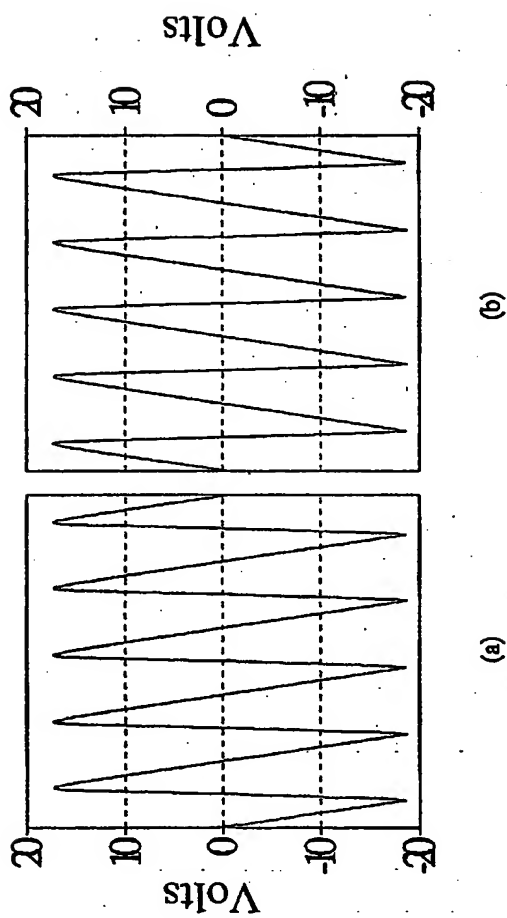
Figure 4(b)



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Right Layer Hand Rotation Left Layer Hand Rotation

Figure 5

Negative-Positive

Value of I_0 -crossed
at the end of T4

Positive-Negative

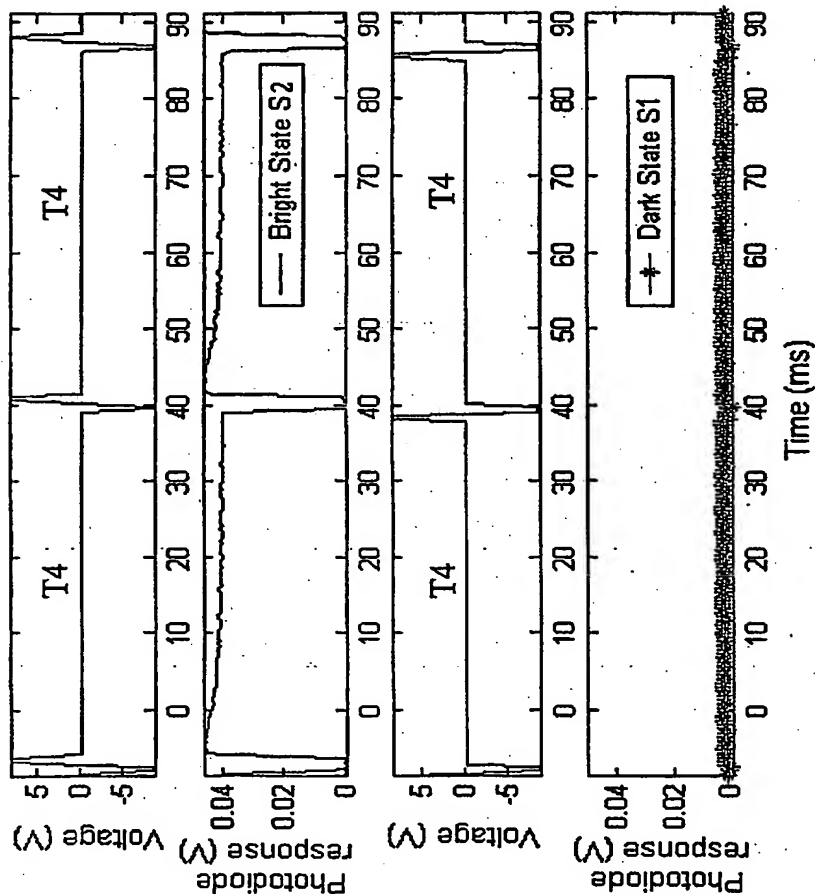


Figure 6(a)

Figure 6(b)

Figure 6(c)

Figure 6(d)